

## Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents: Physical, Chemical and Earth Sciences: INSPEC; PASCAL/CNRS)

### VOLUME 32 (1988)

Thermodynamics of adsorption of surfactant mixtures on minerals J.H. Harwell, B.L. Roberts and J.F. Scamehorn (Norman, OK, U.S.A.) .....	1
Thermodynamic factors of the sol-gel transition. I. Reversible coagulation of organophilic and hydrophilic colloids E.D. Shchukin and V.V. Yaminsky (Moscow, U.S.S.R.) .....	19
Thermodynamic factors of the sol-gel transition. II. The role of short- and long-range forces in thermodynamics of colloid stability E.D. Shchukin and V.V. Yaminsky (Moscow, U.S.S.R.) .....	33
Transport studies with model membranes F.A. Siddiqi, N.I. Alvi and S.A. Khan (Aligarh, India) .....	57
Evolution of the surface haematite prepared by thermal decomposition of goethite: a microcalorimetric study P.F. Rossi, G. Caracciolo and G. Busca (Genova, Italy) .....	75
Emulsions of water in asphaltene-containing oils. I. Droplet size distribution and emulsification rates D.D. Eley, M.J. Hey and J.D. Symonds (Nottingham, United Kingdom) .....	87
Emulsions of water in asphaltene-containing oils. 2. Rheology D.D. Eley, M.J. Hey and J.D. Symonds (Nottingham, United Kingdom) .....	103
FTIR study of thionocarbamate adsorption on sulfide minerals J.O. Leppinen, C.I. Basilio and R.H. Yoon (Blacksburg, VA, U.S.A.) .....	113
Adsorption properties of $\text{Ca}^{2+}$ on Na-kaolinite and its effect on flocculation using polyacrylamides G. Atesok, P. Somasundaran and L.J. Morgan (New York, NY, U.S.A.) .....	127
Interaction between hydrocarbon and fluorocarbon surfactants on monodispersed ferric hydroxide K. Esumi, Y. Ono, M. Ishizuka and K. Meguro (Tokyo, Japan) .....	139
Microdynamical behaviour of benzene solubilized in reverse micelles. A study of deuterium NMR relaxation A. Maitra (Delhi, India) .....	149
Adsorption of human albumin onto hydroxyapatite. Static and dynamic studies J.D. Aptel, J.M. Thomann, J.C. Voegel, A. Schmitt and E.F. Bres (Strasbourg, France) .....	159
Criteria for oil detachment from solids. Solutions of surfactants for oil recovery, degreasing processes, etc. M.V. Ostrovsky (Acton, MA, U.S.A.) .....	173
Surface radioactivity measurements of monomolecular films M.L. Agrawal and R.D. Neuman (Auburn, AL, U.S.A.) .....	177
The effect of electrolyte concentration on the zeta potentials of homoionic montmorillonite and illite Y. Horikawa (Kochi, Japan), R.S. Murray and J.P. Quirk (Glen Osmond, Australia) .....	181
Coalescence and froth collapse in the presence of fatty acid R. Espinosa-Gomez, J.A. Finch and W. Bernert (Montreal, Canada) .....	197
Interactions of poly(acrylic acid)-complexed dipalmitoylphosphatidylcholine vesicles with surfactants K. Fukuda, H. Ohshima and T. Kondo (Tokyo, Japan) .....	211

The interfacial processes between calcium-bentonite and zinc ion N.M. Nagy and J. Kónya (Debrecen, Hungary) .....	223
Metal complex formation on the surface of amorphous aluminium hydroxide. Part II. Copper(II) complexes of pyridinedicarboxylic acids G. Micera, L. Strinna Erre and R. Dallochio (Sassari, Italy) .....	237
Metal complex formation on the surface of amorphous aluminium hydroxide. Part III. Copper(II) complexes of <i>O</i> -phospho-L-serine and <i>O</i> -phospho-L-tyrosine G. Micera, L. Strinna Erre and R. Dallochio (Sassari, Italy) .....	249
Homogeneous precipitation of spherical colloidal barium titanate particles P. Gherardi (Novara, Italy) and E. Matijević (Potsdam, NY, U.S.A.) .....	257
Enhanced polyelectrolyte adsorption J. Meadows, P.A. Williams (Deeside, United Kingdom), M.J. Garvey (Bebington, United Kingdom), R.A. Harrop and G.O. Phillips (Deeside, United Kingdom) .....	275
Desorption of spread monolayers of [ <sup>14</sup> C]methylated and cold BSA from the air-aqueous interface T.M. Herrington and S.S. Sahi (Reading, United Kingdom) .....	280
Properties of oral streptococci relevant for adherence: zeta potential, surface free energy and elemental composition H.C. van der Mei (Groningen, The Netherlands), A.J. Léonard (Louvain-La-Neuve, Belgium), A.H. Weerkamp (Groningen, The Netherlands), P.G. Rouxhet (Louvain-La-Neuve, Belgium) and H.J. Busscher (Groningen, The Netherlands) .....	297
Polyelectrolyte interactions at the hematite/water interface. Part 1 R. Ramachandran and P. Somasundaran (New York, NY, U.S.A.) .....	307
Polyelectrolyte interactions at the hematite/water interface. Part 2 R. Ramachandran and P. Somasundaran (New York, NY, U.S.A.) .....	319
Floc size studies on kaolin suspensions flocculated with cationic polyacrylamides R.I.S. Gill and T.M. Herrington (Reading, United Kingdom) .....	331
Surface layer thickness in non-aqueous poly (methyl methacrylate) dispersions. II. Stabilization with the diblock copolymer poly (styrene- <i>b</i> -[ethylene-co-propylene]) J.V. Dawkins and S.A. Shakir (Loughborough, United Kingdom) .....	345
Fluorescence emission from adsorbed bovine serum albumin and albumin-bound 1-anilinonaphthalene-8-sulfonate studied by TIRF V. Hlady and J.D. Andrade (Salt Lake City, UT, U.S.A.) .....	359
<i>Book Reviews</i> .....	371
<i>Errata</i> .....	374
<i>Author Index</i> .....	375
<i>Subject Index</i> .....	376
<i>Contents (Volume 32)</i> .....	381

